BCA-13
Programming in JAVA
Bachelor of ComputerApplications
(BCA-11/16/17)
Fourth Semester
Examination, 2019

Time : 3 Hours　　　*[Maximum Marks : 80*

Note : This paper is of Eighty (80) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein.

Section–A

(Long Answer Type Questions)

Note : Section A contains Five (05) long-answer-type questions of Fifteen (15) marks each. Learners are required to answer any three (03) questions only.　　　**(3×15=45)**

1. How is Java different from C++ ? Explain with example.

2. What is JDBC? Explain the various type of JDBC drivers?

3. What is the different type of loop in the Java programming language? Briefly explain with their syntax.

4. What is polymorphism? Explain the difference between method overloading and method over-riding with the help of suitable example.

5. Explain the following :

    (a) File Handling

    (b) Applets

    (c) Inheritance

Section–B

(Short-Answer-Type Questions)

Note : Section 'B' contains Eight (08) short-answer-type questions of Seven (07) marks each. Learners are required to answer any Five (05) questions only.　　　**(5×7=35)**

1. What do you understand by 'this' keyword? Explain its usage with an example?

2. What is an event in Java? Explain the different components of an event?

3. Compare AWT and swing components?

4. Explain the JVM (Java Virtual Machine)?

5. What is a package? Explain its function?

6. Explain the object-oriented programming language?

7. Explain the working of the exception handling mechanism in Java?

8. Write short notes on the following :

   (a) Interface

   (b) Predifined stream.